

Residential Restrictions

Main Entrance Light

No shielding requirements

Lumens limited to 630 lumens

If one porch light is used

40 watt incandescent

11 watt compact fluorescent

9 watt LED

If two porch lights are used then

2-25 watt incandescent

2-7 watt compact fluorescent



Lighting Around a Residence

No shielding requirements

Lumens limited to 315 lumens per fixture
25 watt incandescent
7 watt compact fluorescent

If shielded fixture so direct glare is not visible to abutters (defined as the lamp not being visible from the property line)

Lumens limited to 1,260 per fixture
2-40 watt incandescent
2-65 watt PAR38
15 watt LED
19 watts compact fluorescent



Exceptions Around Residences

Lighting that has motion sensors with a 15 minute shutoff if the fixture is aimed/shielded so that the lamp is not visible from an abutter's property line.



Low voltage landscape lighting aimed away from abutting properties and not exceeding 1,050 lumens output for any luminaire.

15 watt LED
50 watt halogen



Commercial Restrictions

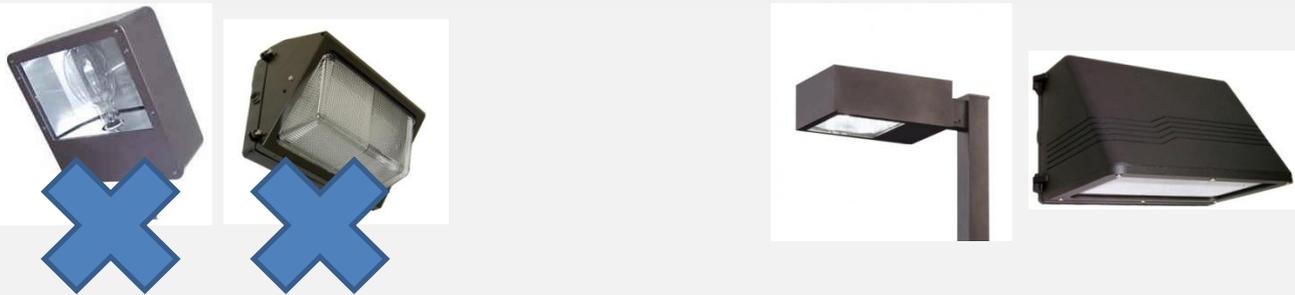
For commercial developments and multiple residential properties of seven or more domiciles within the City, the developer/owner shall be required to submit for review the following items:

Calculations showing that the total amount of lumens used for the exterior lighting doesn't exceed 840 lumens per parking space proposed.

Or calculations showing that the exterior lighting system doesn't exceed 5 lumens per square foot of hardscape area of the development.

Confirmation that all lighting doesn't emit any light upwards unless the luminaire lumens are limited to 630 lumens.

That the light trespass doesn't exceed 8 vertical lux along the property line.



Correlated Color Temperature of all sources shall be 4500°K or less. (If available this information is found on the bulb Lighting Facts label).

Building mounted lighting shall be restricted to mounting heights of no greater than 14'.

Pole mounted lighting shall be mounted no greater than 25' and must be positioned at least 25' from the property line.

Lighting controls shall be provided to extinguish all outdoor lighting during daylight hours.

Lighting shall be dimmed or extinguished at curfew time set by the City unless:

- Needed for common areas in multiple residential developments.
- Needed for safety (e.g. stairs, entrance walkways, etc.).
- Equipped with motion sensors.
- Associated with a 24 hours business.

Lighting Facts Per Bulb

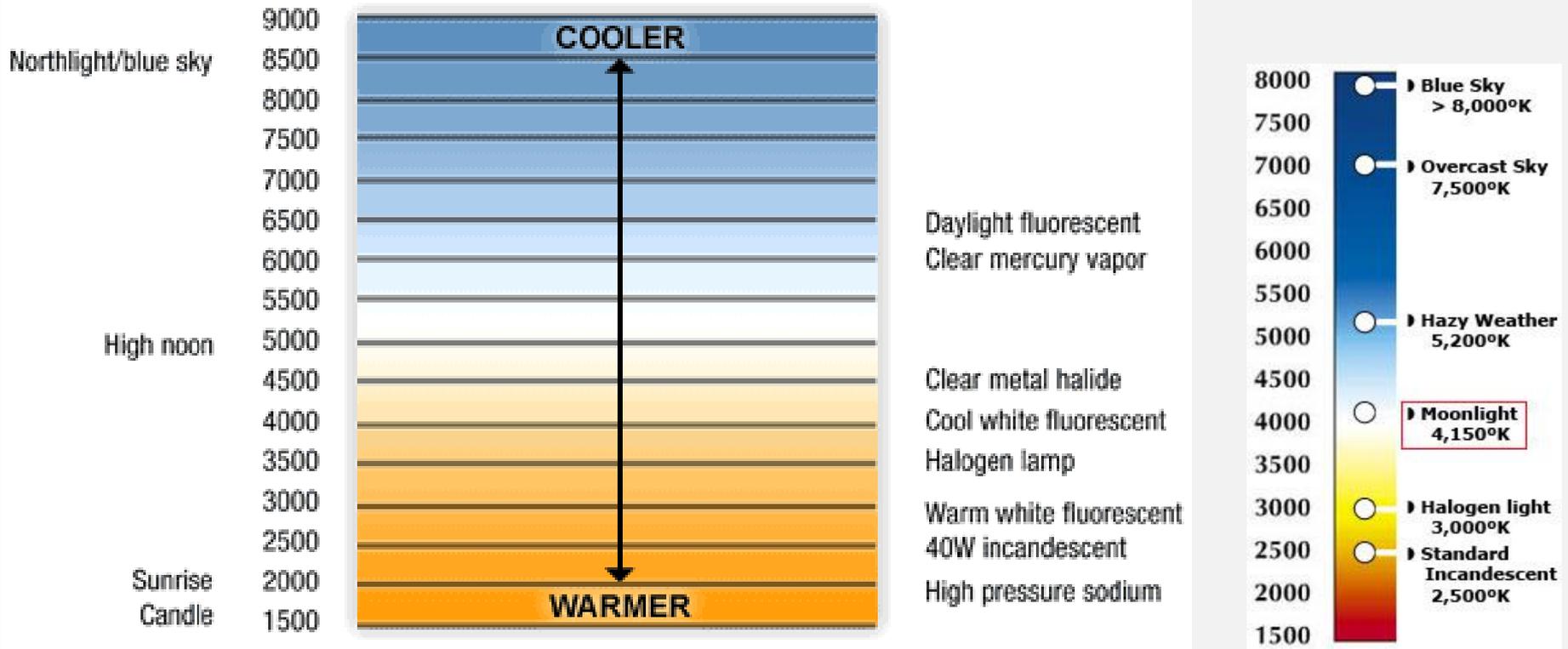
Brightness	870 lumens
Estimated Yearly Energy Cost	\$1.57
Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use	
Life	5.5 years
Based on 3 hrs/day	
Light Appearance	
Warm	Cool
2700 K	
Energy Used	13 watts
Contains Mercury For more on clean up and safe disposal, visit epa.gov/cfl .	

Lumens (lm) is a measure of light output, determining the visible brightness of the bulb. The higher the number of lumens, the more light emitted.

Correlated Color Temperature (CCT) is a scale, generally between 2700K - 6500K, used to measure the color of light.

Watts are the measure of power consumption, indicating the amount of energy required to light the product. The lower the wattage, the less energy used.

Color Temperature Chart



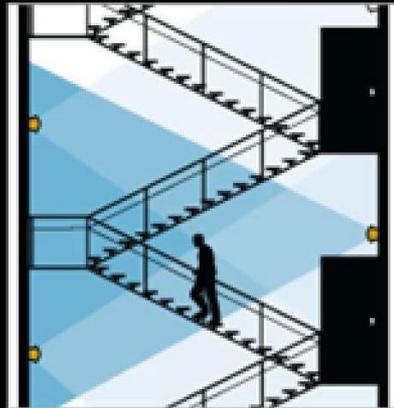
Color temperatures of common light sources





INTEGRATED OCCUPANCY SENSOR

Integral control options include dual technology micro-sensors to enhance your energy savings capabilities.



OCCUPANCY SENSING AND SEQUENTIAL CONTROLS

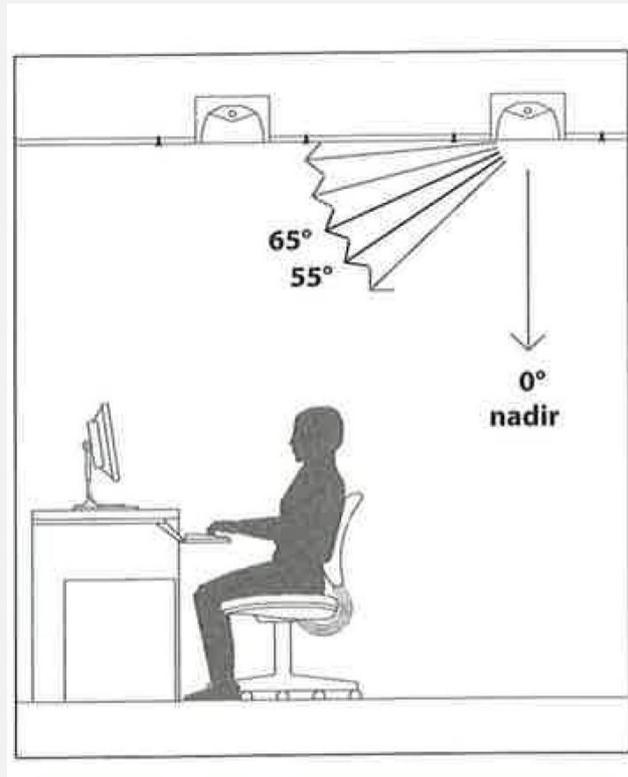
Integral control options include dual technology micro-sensor and short range sequential stairwell option. The sequential control option keeps occupants safe and comfortable while saving energy and money when not in use. The sensor is designed with “fail-to-on” feature preventing any disruption in operation.

See the [DEMO](#) (Smart building)

Life Safety Code permits reducing illumination in stairs to 1 fc (10.8 lux) minimum by occupancy sensor.



“Buildings larger than 5,000 SF shall be equipped with an automatic control device to shut off lighting in those areas.” – state building code (IECC 2009)



“For all regularly occupied spaces, use light fixtures with a luminance of less than 2,500 cd/m² between 45 and 90 degrees from nadir.” – LEED v4, EQ Credit: Interior Lighting



Movable shading with electronic controls -
“Provide...glare control devices for all regularly occupied spaces”
LEED v4, EQ Credit: Daylight

City to review Dark Sky Ordinance after residents claim it's unreasonable

February 11, 2014

By MCKENZIE CASSIDY (mcassidy@breezenewspapers.com) , Island Reporter, Captiva Current, Sanibel-Captiva Islander

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The Sanibel City Manager's office was recently directed to compile information about the Dark Sky Ordinance so council could address concerns raised by residents that it wasn't reasonable.

By Jan. 1, 2015 properties are expected to comply with the ordinance, which passed in 2000 to protect the island's natural beauty and habitat for nocturnal and crepuscular species - such as sea turtles in nesting season - by minimizing the amount of light pollution.

Jeff Molnar, owner and operator of Molnar Electric on the island, said the Dark Sky Ordinance had undergone 17 revisions over the course of a year-and-a-half before it was passed, and that included regular consultation with the International Dark Skies Association.

He said there aren't a lot of reasonably priced, compliant light fixtures on the market today. When the ordinance passed in 2000 the presiding council believed 15 years was enough time for the upgrades to be made and for new technology to be developed, but it didn't work out that way.

"At the time they thought the industry was going to catch up, but it really hasn't," said Molnar.

Local resident Gloria Hannan said property owners have had enough time to make the changes, but she agreed that more work needed to be done to find reasonably-priced fixtures.

Other residents addressed city council on Feb. 4 to discuss the costs associated with updating light fixtures and local safety concerns at night.

Sunset clause for existing fixtures?